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No. 13] NEW DELHI, SATURDAY, MARCH 29, 1980 (CHAITRA 9, 1902)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
[Notifications and Notices issued by the patent Office relating to Patents and Designs]

THE PATENT OFFICE
PATENTS AND DESIGNS

Calcutta, the 29th March 1980

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

21st February, 1980

195/Cal/80. Monsanto Company. Thermolysis of 2-(3-aryl-
isoxazol-5-yl) benzoic acids, salts and halides from
3' (Aryl- ipro [Isobenzofuran-1 (3H), 5'(4'H)
Isoxazol]-3-ones.

196/Cal/80. Laporte Industries Limited. Process for up-
grading iron-containing materials. (February 21,
1979).

197/Cal/80. Cummins Engine Company, Inc. Bearing
assembly for high speed shaft.

198/Cal/80. Societa Italiana Telecomunicazioni Siemens
S.P.A. A tone receiver for telecommunication
systems.

22nd February, 1980

199/Cal/80. Kabel-Und Metallwerke Gutehoffnungshutte
Aktiengesellschaft. Moisture proof, plastic-
insulated electric power cable.

200/Cal/80. Kabel-Und Metallwerke Gutehoffnungshutte
Aktiengesellschaft. Process for the continuous
production of sheaths for elongate materials, in
particular electric cables.

201/Cal/80. Phlitz Project-Company GMBH. Thread
brake.

202/Cal/80. A. I. Kalina. Gas lift technique.

203/Cal/80. Ballestra Chimica S.p.A. Improved method for
the film sulphonation in a multi-tubular reactor
and such a reactor.

204/Cal/80. Hitachi Construction Machinery Co. Ltd. Drive
system for construction machinery and method of
controlling hydraulic circuit means thereof.

23rd February, 1980

205/Cal/80. British Aerospace. Improvements relating to
antennas. (February 24, 1979).

206/Cal/80. Crosrol Limited. Apparatus for cleaning the
surface of a rotating roller. (February 23,
1979).

207/Cal/80. United States of America. Apparatus and method
for treatment of fibers with ozone-steam mixtures.

208/Cal/80. Hein Lehmann AG. Continuous centrifuge.

25th February, 1980

209/Cal/80. Dalmia Institute of Scientific & Industrial
Research, and Orissa Cement Limited. Process
for the production of magnesium oxide from
Brine or Bittern.

210/Cal/80. The Director, Jute Technological Research
Laboratories, Indian Council of Agricultural
Research. A method of spinning covered jute
yarn.

211/Cal/80. Union Carbide India Limited. Recovery of
acetic acid from ethanol refining still tails re-
moving water.

212/Cal/80. Union Carbide India Limited. Recovery of
acetic acid from ethanol refining still tails.

213/Cal/80. Prasanta Ray. A solar concentrator system with
stationary primary reflector and tracking second-
ary reflector.

214/Cal/80. Dr. C. Otto & Comp. GMBH. Multi-orifice
nozzle for coke ovens.

215/Cal/80. Dr. C. Otto & Comp. GMBH. Multi-orifice
static pump for coke ovens.

216/Cal/80. L. Teske. Bunker clearance vehicle.

217/Cal/80. E. I. DU Pont DE Nemours and Company. Process for producing rutile TiO₂.

218/Cal/80. Mrs. Maya Bose. Well glass lighting fitting.

219/Cal/80. W. J. Wilson. Improvements in or relating to solar heaters.

26th February, 1980

220/Cal/80. Cie. Miniere De l'Ogooue (Comilog). Aerial cableway having a return sheave with a speed stabilization device.

221/Cal/80. Veb Filmfabrik Wolfen. Dulled photographic materials. (September 14, 1979).

222/Cal/80. Stauffer Chemical Company. Synerigistic herbicidal compositions.

223/Cal/80. E. I. DU Pont DE Nemours and Company. Fieldprimable chub cartridge having a longitudinal threading tunnel integral therewith.

27th February, 1980

224/Cal/80. Rhone-Poulenc Industries. Method of recovering the uranium contained in impure phosphoric acid.

225/Cal/80. Schubert & Salzer Maschinenfabrik Aktiengesellschaft. Apparatus for forming a reserve winding on a bobbin.

226/Cal/80. The American Roto Bearing Co. Lubrication retaining bearing.

227/Cal/80. Amsted Industries Incorporated. Composite friction element.

228/Cal/80. Union Carbide India Limited. Improved dry cell.

229/Cal/80. Institut Tekhnicheskoi Teplofiziki Akademii Nauk Ukrainskoi SSR and Opytne Konstruktor-skoe-Tekhnologicheskoe Bjuro Instituta Tekhnicheskoi Teplofiziki Akademii Nauk Ukrainskoi SSR. Method for drying silkworm cocoons.

APPLICATIONS FOR PATENTS FILED AT THE (BOMBAY BRANCH)

4th February, 1980

21/BOM/Bhagwati Sharan Malviya, An improved Transistorised wall clock with pendulum driven striking system.

22/BOM/80. The Ahmedabad Manufacturing and Calico Printing Co. Ltd., A Process for the preparation of a polyester coating Resin

23/BOM/80. The Ahmedabad Manufacturing and Calico Printing Co. Ltd., A Process for the preparation of a polyester coating Resin.

24/BOM/80. India United Mills Dye Works, A Process for one-step securing-cum-bleaching of cellulosic fibre-fabrics and their blends with man-made fibres without the use of caustic alkali at ambient temperatures (except for employing a temperature of 40°C to 90°C while preparing the solution/emulsion for scouring, bleaching).

25/BOM/80. India United Mills Dye Works, A Process for scouring and bleaching of cellulosic fibre-fabrics and their blends with man-made fibres without the use of caustic alkali and hydrogen peroxide bleaching agents at ambient temperatures (except for employing a temperature of 40°C to 90°C while preparing the solution/emulsion for scouring, bleaching).

26/BOM/80. Hoechst Pharmaceuticals Limited, A Process for the production of the antibiotic 7 methoxy-deacetylcephalosporin C from *Streptomyces* Y-22996 nov.sp. or variants and mutant thereof.

6th February, 1980

27/BOM/80. Subhash Ramkrishna Rathi, A Dumper on cycle Riksha.

ALTERATION OF DATE

147547

92/Del/79

Antedated 19th October 1977.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month applied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed Form 15, of such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification."

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

CLASS 129G.

147523.

Int. Cl.-F16b 5/00.

CONNECTING ARRANGEMENT FOR PLATE ELEMENTS AND GIRDERS.

Applicant : RB CORPORATION, AVENIDA JUSTO AROSEMENA Y CALLE 31 NO. 3-80 PANAMA-CITY, PANAMA.

Inventors : CONSECCO LIMITED AND GEORGE TRIXL.

Application No. 553/Cal/77 filed April 12, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A connecting arrangement for sheets and girders in which two plate portions are disposed in overlapping relationship and clamped together using bolts or rivets wherein there is a plurality of connections between said overlapping plate portions arranged spaced apart on a closed path surrounding at least one said bolt or rivet, each said connection comprising a depression on one plate portion and a tightly mating projection on the other which together cooperate to resist forces acting in the plane of the interface between the plate portions and wherein a plurality of said projections and depressions are formed on each said plate portion in such manner that a first said plate portion can be so connected on either side of the second.

Comp. Specn. 15 Pages.

Drg. 2 Sheets.

CLASS 70B.

147524.

Int. Cl.-B01k 3/04.

IMPROVED ELECTROLYTIC PROCESS FOR THE PRODUCTION OF CALCIUM GLUCONATE BY OXIDATION OF GLUCOSE.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA.

Inventors : HANDADY VENKATAKRISHNA UDUPA, GOBICHETTIPALAYAM SRINIVASAN SUBRAMANIAN, KODETHOOR SHRIVARA UDUPA AND TIRUNELVELI DURAISWAMY BALAKRISHNAN.

Application No. 105/Del/77 filed May 20, 1977.

Complete Specification left March 2, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An improved electrolytic process for the production of calcium gluconate by oxidation of glucose of the type described in Indian Patent Specification No. 51189 characterised in that the electrolytic oxidation cell consists of a plurality of anodes attached to a rotating assembly and surrounded by a concentric ring of cathodes of graphite rods/plates arranged in a regular polygon shape.

Prov. Specn. 4 Pages Comp. Specn. 16 Pages. Drg. 1 Sheet.

CLASS 198D. 147525.
Int. Cl.-B03b 3/30.

METHOD FOR SEPARATING A MIXTURE OF MOLTEN OXIDIZED FERROPHOSPHORUS AND REFINED FERROPHOSPHORUS.

Applicant : UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA.

Inventors : ROBERT LAWRENCE RIPLEY, NORMAL LEROY GRAUERHOLZ, DUANE LAWRENCE JOHNSON.

Application No. 482/Del/77 filed December 19, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Delhi Branch.

1 Claim.

Method for separating a molten mixture of oxidized ferrophosphorus and refined ferrophosphorus which comprises

- (i) providing a free-falling stream of a molten mixture of oxidized ferrophosphorus and refined ferrophosphorus, said stream falling from a height of up to five-feet toward an elongated trough inclined to the horizontal at an angle of between 25° and 45°
- (ii) passing said free-falling molten stream through at least one jet of water which is substantially in alignment with the longitudinal axis of said trough, said jet of water having a velocity of from 20 to 40 feet per second, the ratio by weight of water to said molten stream being from 10:1 to 20:1 and
- (iii) separating the particles of oxidized ferrophosphorus and refined ferrophosphorus resulting from (ii) by methods known per se.

Comp. Specn. 8 Pages. Drg. 2 Sheets.

CLASS 131C. 147526.
Int. Cl.-E21d 15/00.

IMPROVEMENTS IN OR RELATING TO A RIGID STEEL ADJUSTABLE MINE SUPPORT.

Applicant & Inventor : PRABIR GUIN, OF 100/3A, ALIPORE ROAD, CALCUTTA-700027, WEST BENGAL, INDIA.

Application No. 1765/Cal/77 filed December 24, 1977.

Addition to No. 1352/Cal/77.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

A rigid steel adjustable mine support of the type described, wherein the base end of the central tubular prop section carries a composite box section which is slidably disposed over said lower support member and said raising and lowering cam device comprises a cam provided with a handle and mounted on a spindle supported on said composite box section, said cam being adapted to bear against the top end of said lower support member.

Comp. Specn. 7 Pages.

Drg. 1 Sheet.

CLASS 32A₁. 147527.
Int. Cl.-C09b 29/36.

A PROCESS FOR THE PREPARATION OF NEW YELLOW TO VIOLET AZO N-SUBSTITUTED PYRIDONE DISPERSE DYES FOR SYNTHETIC FIBRES.

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

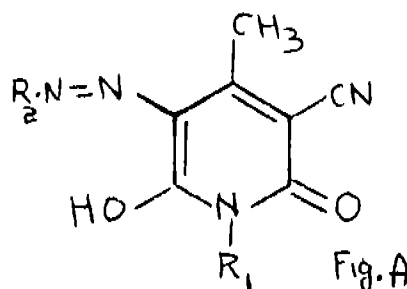
Inventors : NAGARAJ RAMANUJ AYYANGAR, ASHOK DATTATRAYA DESHPANDE AND BAL DATTATRAYA TILAK.

Application No. 523/Del/77 filed December 28, 1977.

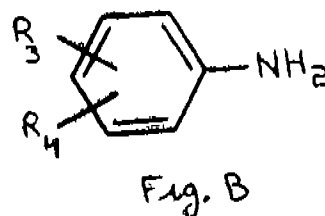
Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

2 Claims.

A process for the preparation of yellow to violet azo N-substituted pyridone disperse dyes (for synthetic fibres) as shown in the accompanying drawing by the general formula Fig. A.



wherein R₁ is methyl, ethyl, *iso*-propyl, *n*-butyl, cyclohexyl, phenyl, *o*-methoxyphenyl, *p*-tolyl and 2, 5-dichlorophenyl and R₂ is unsubstituted phenyl or phenyl with substituents such as 2-methoxy, 4-nitro, 4-dimethylamino, 2-chloro-4-nitro and 4-phenylazo, which comprises coupling a diazotized aromatic amine of the general formula Fig. B.



wherein R₃ and R₄ are one or two hydrogens or other substituents such as methoxy, nitro, dimethylamino, and phenylazo with 3-cyano-1-substituted-4-methyl-6-hydroxypyrid-2-one at 0 to 10°C in aqueous acidic solutions and isolating the water insoluble dyes so prepared by filtration.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS 76B & E. 147528.
Int. Cl.-A47g 1/08.

FRAMING MEANS FOR FARMING A PICTURE OR OTHER OBJECT.

Applicant & Inventor : PAUL REIM, OF 5 RATHAUS-GASSE 7100 HEILBRONN, FEDERAL REPUBLIC OF GERMANY.

Application No. 122/Del/78 filed February 13, 1978.

Convention date October 6, 1977/(41647/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

13 Claims.

Framing means for framing a picture or other object, comprising a frame to receive the object, a backing plate locatable in the frame and compressible biasing means adapted to be arranged between the backing plate and the object when present in the frame to cause the backing plate and the object to be firmly engaged in the frame, the frame being provided at inwardly facing side portions thereof with a plurality of integral retaining and engaging means for retaining the backing plate in the frame and for engaging support means for the frame.

Comp. Specn. 14 Pages.

Drg. 2 Sheets.

CLASS 33A.

147529.

Int. Cl.-B22d 9/00.

A METHOD OF MAKING STEEL INGOTS AND AN ARRANGEMENT FOR CARRYING OUT THE METHOD.

Applicant : VEREINIGTE EDELSTAHLWERKE AKTIENGESELLSCHAFT (VEW), OF 12, ELISABETHSTRASSE, 1010 VIENNA, AUSTRIA.

Inventors : HEIMO JAGER, GERT KUHNELT, AND OTMAR KLEINHAGAUER.

Application No. 547/Cal/77 filed April 11, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

Method of making steel ingots having low hydrogen and sulphur contents according to the electric slag remelting process, in which the remelting electrode is guided through an opening in a lid closing the mould and a flush gas is introduced into the interior of the mould and into the annular gap between the opening in the lid and the electrode, characterised by the combination :

- that prior to the onset of the remelting procedure the hydrogen content of the slag is reduced,
- that during the remelting procedure dry air is introduced into the interior of the mould above the slag; and
- that simultaneously a gas curtain of dry air is produced in the annular gap between the opening in the lid and the electrode, which curtain prevents water-vapour-containing air from entering the interior of the mould.

Comp. Specn. 15 Pages.

Drg. 3 Sheets.

CLASS 131B.

147530.

Int. Cl.-B23b 41/04.

SQUARE HOLE DRILL.

Applicant : UNITED STATES DEPARTMENT OF COMMERCE, OF 425 THIRTEENTH STREET, N.W. WASHINGTON, D.C., UNITED STATES OF AMERICA.

Inventors : ROGER JAMES MORRELL, GERALD DAVID GORE, JEROME ALLEN GUNN.

Application No. 1082/Cal/77 filed July 13, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A square hole drill system comprising :

- a rotatable cutterhead having drill cutting surfaces about at least part of its periphery and facing towards the surface to be cut, said periphery being configured so that its

outermost cutting surfaces would outline the apexes of a Reuleaux triangle;

- a gear drive operatively connected to said cutterhead to cause its rotation, said drive train having a stationary first gear which continuously meshes with a second gear that rotates around said first gear in a direction opposite to said cutterhead rotation, said second gear being rotated by an output shaft at one side attached to move in unison with said cutterhead; and

- an eccentric drive connected to the other side of said second gear to cause it to move around the first gear.

Comp. Specn. 13 Pages.

Drg. 3 Sheets.

CLASS 129N.

147531.

Int. Cl.-H01r 5/04.

IMPROVEMENTS IN OR RELATING TO FLUXES FOR SOLDERING.

Applicant : THE BENGAL ELECTRIC LAMP WORKS LIMITED, AT 4, FAIRLIE PLACE, CALCUTTA-700001, STATE OF WEST BENGAL, INDIA.

Inventor : NIRMAL BARAN RAY.

Application No. 1182/Cal/77 filed August 2, 1977.

Complete specification left April 4, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawings.

An improved process for the manufacture of a flux for soldering aluminium such as caps of electric lamps, characterised in that the said process comprises mainly the steps of—

- heating the following fluoborate chemicals, namely :

- cadmium fluoborate— $\text{Cd}(\text{BF}_4)_2 \cdot 6\text{H}_2\text{O}$,

- ammonium fluoborate— NH_4BF_4 and

- zinc fluoborate— $\text{Zn}(\text{BF}_4)_2 \cdot 6\text{H}_2\text{O}$,

in a liquid vehicle of triethanolamine $\text{N}(\text{CH}_2\text{CH}_2)_3$ at about 110°C to form a clear viscous liquid; and

- cooling the reactionary product so formed, to room temperature.

Prov. Specn. 10 Pages. Comp. Specn. 19 Pages. Drgs. Nil.

CLASS 86A.

147532.

Int. Cl.-A47b 53/00.

STORAGE SYSTEM.

Applicant : VINAR SYSTEMS PRIVATE LIMITED, 5A, LORD SINHA ROAD, CALCUTTA-700071, WEST BENGAL, INDIA.

Inventor : SUJASH KUMAR BAIN.

Application No. 1746/Cal/77 filed December 17, 1977.

Complete specification left June 23, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims.

A storage system comprising an assembly of racks, cabinets or the like comprising a number of racks mounted to be mobile in a guided path, the accessible faces of the racks being transversely disposed to the guiding means such as rails and wherein all the racks other than the outer racks at one or both ends of the assembly are exposed one or both accessible faces the outermost racks being provided with panel or panels at their outer faces for closing their open ends of the assembly, said storage system being provided with anti-toppling means which may be a rod or shaft guided along bushes provided on top of the racks in order to prevent the said racks from toppling when pushed with a force to the ends of the rail and arrested by stoppers provided at the ends of the said rails, said racks further being

provided with a latch capable of being locked within an opening provided with a latch capable of being locked within an opening provided in the sleepers joining the rails and a locking means for locking the said assembly of racks, the arrangement being such that when all the racks are pushed to lie one adjacent the other, then the end rack or racks can be locked.

Prov. Specn. 8 Pages. Comp. Specn. 18 Pages. Dr. 4 Sheets.

CLASS 166B. 147533.

Int. Cl.-B63c 9/11.

IMPROVEMENTS IN OR RELATING TO MARINE CRAFT.

Applicant : DUNLOP LIMITED, OF DUNLOP HOUSE, RYDER STREET, ST. JAMES'S, LONDON S.W.1, ENGLAND.

Inventions : GEOFFREY JAMES SINCLAIR HUGHTON AND MALCOLM BIMPSON.

Application No. 320/Del/78 filed May 2, 1978.

Convention date May 7, 1977/(19261/77) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

9 Claims.

A marine craft provided with one or more vanes, each said vane being attached by one edge to the underside of the craft and suspended therefrom so that, when the craft is being towed, the surface of greater dimension of each vane makes an angle of 90° or less with the underside of the craft, relative to the direction of towing.

Comp. Specn. 8 Pages. Drg. 2 Sheets.

CLASS 69E. 147534.

Int. Cl.-01h 3/00.

ELECTRICAL SWITCH.

Applicant : LUCAS INDUSTRIES LIMITED, OF GREAT KING STREET, BIRMINGHAM B19 2XF, ENGLAND.

Inventor : KEITH LEWIS.

Application No. 549/Cal/77 filed April 11, 1977.

Convention date April, 14, 1976/(15185/76) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

An electrical switch including a hollow body, electrical contacts carried by the body, and an operating member slidable in the body whereby the contacts are operated, said operating member comprising first and second similarly shaped and interengaged parts, the interengagement of said parts permitting limited movement of the parts relative to one another in the direction of movement of the operating member relative to the body, there being resilient means urging the two parts of the operating member apart in the direction of movement of the operating member, and the arrangement being such that during initial movement of the operating member, from a rest position, the first and second parts thereof move in unison and the contacts are operated, while during further movement of the operating member, relative to the body in the same direction, the first operating member part is moved relative to the second operating member part against the action of said resilient means.

Comp. Specn. 11 Pages. Drg. 1 Sheet.

CLASS 8 & 126D. 147535.

Int. Cl.-A62c 39/02.

A DETECTOR FOR DETECTING PARTICLES IN A FLUID MEDIUM.

Applicant : CHLORIDE BATTERIJEN B.V., OF POST BUS 117, PRODUKTIESTRAAT 25, VLAARDINGEN, HOLLAND.

Inventor : WILLIAM JOSEPH MALINOWSKI.

Application No. 291/Del/77 filed October 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims.

A detector for detecting particles in a fluid medium comprising a radiant energy-producing device pulsing at a predetermined interval, first means for producing a signal pulse in response to the pulsed radiant energy under predetermined conditions, and second means responsive to a predetermined number greater than one of produced signal pulses to provide an output signal, the improvement comprising means responsive to a first signal pulse to decrease the interval to at least the next light pulse to less than that of the predetermined interval.

Comp. Specn. 19 Pages.

Drg. 2 Sheets.

CLASS 165A. 147536.

Int. Cl.-A41h 37/10.

A DEVICE FOR QUICK FIXING OF BUTTONS AND SUCH LIKE OPERATIONS ON FABRICS.

Applicant & Inventors : SUBHASH KUMAR NARULA, 39, NORTH AVENUE, PUNJABI BAGH, NEW DELHI-110026, INDIA.

Application No. 78/Del/78 filed January 28, 1978.

Complete Specification left February 22, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

A device for quickly performing various types of tailoring operations such as buttoning, tagging, stitching of garments and papers on various types of fabrics and papers for domestic use, by office use as well as for use in large tailoring establishments which comprises a body moulded from durable plastic material made in two parts joined together and having a hollow needle fixed at the front; the said body containing a push plunger with spring channel fixed at the rear and a notched wheel loaded with the required fastener material fixed near the rear end of the said needle such that with the anticlockwise rotation of the said wheel the fastener gets pushed into the loading slot and as the needle is inserted into the button hole and the plunger pushed forward a 'T' shaped fastener gets cut off from the fastener base and gets pushed into the required garment or the fabric through the button hole but when the needle is withdrawn it leaves the button fixed thereon at the desired place of the said garment.

Prov. specn. 1 Page Comp. Specn. 8. Drg. 2 Sheets.

CLASS 195A + G. 147537.

I.C.B. 67 d 5/12, 5/36, 5/372.

IMPROVED DELIVERY SPOUT FOR PETROL OR DIESEL PUMPS.

Name of the applicant : MAHARASHTRA STATE ROAD TRANSPORT CORPORATION, MAHARASHTRA VAHA-TUK BILAVAN, CENTRAL OFFICE, BOMAN BEIRAM MARG, BOMBAY CENTRAL, BOMBAY-400 008, MAHARASHTRA STATE, INDIA.

Name of the Inventors : (1) WILLIM GEORGE AND (2) DANIEL HILARY.

Application No. 10/Bom/1977 filed Jan. 10, 1977.

Complete after provision left on 6th February, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

1 Claim

Improved delivery spout for petrol or diesel pumps, comprising a tubular fitting to be fitted on the distal nozzle portion of the delivery spout of a petrol or diesel pump, to this tubular fitting there is externally attached another longitudinally half cut tubular sleeve, to the lower end of which there

is fitted another tubular sleeve, to the lower end of which there is fitted another tubular chamber with opening at the bottom and having a float inside and two electrical contacts at the upper closed end of the said tubular chamber, there is provided a resting means for the said tubular fitting to rest upon the edge of the mouth of the fuel tank, such that as the predetermined level of fuel is reached in the said fuel tank the said float causes to break open the said contacts in the circuit of no volt coil of the starter which in turn stops the electrically operated pump to automatically stop the delivery of fuel to the tank.

Prov. specn. 3 pages; comp. specn. 6 pages and 1 drawing sheet.

CLASS 68E. 147538.

I.C. H 02 J 3/50.

"A CIRCUIT FOR USE IN HIGH CURRENT A.C. APPLICATIONS SUCH AS A.C. TO D.C. CONVERTERS OR D.C. TO A.C. INVERTERS".

Applicants: LARSON AND TOUBRO LIMITED, I&T HOUSE BALLARD ESTATE, BOMBAY-400038, MAHARASHTRA, INDIA.

Inventors: PRADEEP KUMAR.

Application No. 57/Bom/1977 filed Feb. 5, 1977.

Complete Specification left May, 1, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

A circuit for use in high current a.c. applications such as a.c. to d.c. converters or d.c. to a.c. inverters comprising a plurality of devices such as transistors, thyristors, ignitrons, thyatron, which are capable of being rendered conductive on receipt of firing signals, the said devices being in series with a load and a power supply and being connected in parallel to one another and a control circuit giving firing signals to the said devices through a network in a manner that the said devices conduct in a predetermined sequence.

Provisional Specification: 4 Pages, Drawing: 1 Sheet, Complete Specification: 6 Pages.

CLASS 80E+T+164C+201D. 147539.

Int. Cl.-B01d 37/00+C02b 1/00.

"IMPROVEMENT IN OR RELATING TO A PROCESS OF AND AN EQUIPMENT FOR PURIFICATION OF FLUIDS BY FILTRATION".

Applicant & Inventor: DR. SADASHIV VASUDEO PATWARDHAN, 2047, SADASHIV PETH POONA-411030, MAHARASHTRA, INDIA.

Application No. 106/Bom/1978 filed on April, 14 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

9 Claims.

An improved process of filtration of fluids illustrated herein, characterised in the steps of:

- (i) admitting impure fluid (hereinafter called influent fluid) in an inlet chamber and from thereto atleast two or more sub-inlet pipes;
 - (ii) allowing the influent fluid to percolate through two or more filter passages formed between two or more successive sub-inlet pipes and sub-outlet pipes in the filter media as herein described.
 - (iii) collecting the said percolated fluid in an outlet chamber through two or more sub-outlet pipes;
 - (iv) taking out the filtrate from the outlet chamber;
- Complete Specification: 13 Pages; Drawing: 1 Sheet.

CLASS 47E & 49F & 180.

147540.

Int. Cl.-A21b 3/00, F24b 13/00.

MULTI-MOUTH MECHANISED COKE/COAL FIRED COOKING APPLIANCE.

Applicant & Inventor: RAKHAL CHANDRA KAR, 178, RASH BEHARI AVENUE, 2ND FLOOR (SOUTH), CALCUTTA-29, WEST BENGAL, INDIA.

Application No. 1934/Cal/76 filed October 26, 1976.

Complete Specification left January 24, 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

A multi-mouth mechanised coke/coal fired cooking appliance which comprises three or more ovens arranged in a lay-out of any form or configuration, a central block over which stands a vertically disposed common chimney for all ovens, wherein (a) each said oven is connected to the said central block by radial smoke passage which is opened or closed by independent control valve, (b) each said oven is connected to its adjacent oven by flue passage, (c) a fire box is placed at the lower base of the said chimney, and (d) a main control valve is fitted to the said chimney for controlling the temperature of the ovens and the suction rate of the flue simultaneously for all ovens.

Prov. Specn. 4 Pages. Comp. Specn. 18 Pages. Drg. 3 Sheets.

CLASS 68A & D.

147541.

Int. Cl.-G05f 3/14.

AN ELECTRICAL SIGNAL OR ALARM DEVICE.

Applicant & Inventor: DAVID SUSHIL PILLAI, OF 17, CAMAC STREET, STATE OF WEST BENGAL, INDIA.

Application No. 1176/Cal/77 filed July 30, 1977.

Complete Specification left July 31, 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims.

A signal device for providing a visual or audio signal in the presence of an error as herein described in an associated apparatus as herein described to which the said advice is adapted to be connected, comprising an oscillator having an output terminal connected to an alarm circuit, at least a first error sensing circuit connected to an input terminal of said oscillator, said sensing circuit adapted to be connected to the associated apparatus and to detect the presence of the error in said apparatus.

Prov. Specn. 7 Pages. Comp. Specn. 16 Pages. Drg. 2 Sheets.

CLASS 80H.

147542.

Int. Cl.-B01d 21/08.

THICKENING DEVICE AND METHOD.

Applicant: ENVIROTECH CORPORATION, AT SALT LAKE CITY, UTAH, UNITED STATES OF AMERICA.

Inventor: ROBER CLARENCE EMMETT, JR.

Application No. 16/Cal/78 filed January 4, 1978.

Appropriate Office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

A machine for continuously separating suspended solids from a feed stream liquor by gravity settling comprising:

- (a) aliquid-holding tank for containing a body of liquid in generally quiescent condition;
- (b) an upstanding tubular column mounted within said liquid-holding tank;

- c. means mounted at the upper end of said tubular column to convey a stream of feed liquor into the interior of said tubular column;
- d. flocculating-mixing compartments formed within said tubular column one below another, to sequentially receive the feed liquor;
- e. Mixing means mounted within each of said flocculating-mixing compartments to blend the liquid therein;
- f. reagent introduction means mounted within each of said flocculating-mixing compartments to disperse a chemical flocculating reagent into the compartment for enhancing the flocculating of suspended solids within the feed liquor;
- g. discharge means in liquid-flow communication with the lowermost one of said flocculating-mixing compartments and with the interior of said liquid-holding tank for discharging the flocculated feed liquor into a pulp blanket stratum at the bottom of said liquid-holding tank;
- h. raking means including rake arms mounted within said liquid-holding tank to urge solids settled in the pulp blanket stratum to underflow discharge; and
- i. overflow means mounted on said liquid-holding tank to remove clarified supernatant therefrom.

Comp. Specn. 19 Pages.

Drg. 2 Sheets.

CLASS 107F.

147543.

Int. Cl.-H01r 39/26.

IMPROVED DISTRIBUTOR FOR INTERNAL COMBUSTION ENGINES.

Applicant : DRAGON ENTERPRISE CO., LTD., OF 10, LANF 62, TE KUANG STREET, TAINAN, TAIWAN, REPUBLIC OF CHINA.

Inventor : CHIN-CHIN TSAI.

Application No. 1689/Cal/76 filed September 14, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A rotary distributor for an internal combustion engine comprising an electrically non-conductive rotary cylindrical member with depending walls rotatably mounted in said distributor, a plurality of electrically conductive plates identical with the number of the cylinders of the engine, said conductive plates being of equal length imbedded in the sides of said rotary member in spaced relationship circumferentially thereof, and a pair of carbon brushes each disposed in the inverted rectangular U-shaped holders and biased by a spring towards and in sequential contact with said conductive plates, the carbon brushes being adapted to be connected to a source of electric power so that an electric circuit is successively completed upon rotation of the rotary member when each of the plates simultaneously engages both the carbon brushes.

Comp. Specn. 10 Pages.

Drg. 2 Sheets.

CLASS 62D.

147544.

Int. Cl.-D06c 27/00.

PRECISION MOISTENING ARRANGEMENT FOR INTEGRATED FINISHING AND COMPRESSIVE PRESHRINKING RANGE.

Applicant : CLUETT, PEABODY & CO., INC., AT 433 RIVER STREET, TROY, NEW YORK, U.S.A.

Inventors : ROBERT SEWARD CRAMER AND JACKSON LAWRENCE.

Application No. 489/Del/77 filed December 20, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

5 Claims.

An integrated method of finishing, straightening and compressive preshrinking of a fabric web comprising the steps of :

- (a) applying finishing additives and moisture by passing said fabric web through a three-roll coating unit containing said additives in a water base, the amount of moisture applied being in the range of 15% to 30% by weight;
- (b) applying a water spray to said fabric web, the additional moisture applied being in the range of 0% to 20% by weight of fabric web;
- (c) subjecting said fabric web to steam to cause said fabric web to relax to cause penetration and dispersion of the previously applied moisture and of the finishing additives and to additionally moisten said fabric web, the additional moisture applied being in the range of 0% to 15% by weight of fabric web;
- (d) sensing the amount of moisture in the fabric web and adjusting the amount of water spray applied to obtain precisely a predetermined optimum moisture level in said fabric web in order to efficiently process the fabric web during straightening;
- (e) straightening the fabric web to orient the filler yarns relative to warp yarns;
- (f) partially drying the fabric web to a level wherein said fabric web can be compressively preshrunk;
- (g) compressively preshrinking the fabric web; and
- (h) fully drying said fabric web.

Comp. Specn. 9 Pages.

Drg. 1 Sheet.

CLASS 172D.

147545.

Int. Cl.-D01h 7/56.

ROTARY RING FOR SPINNING AND TWISTING RING MACHINES.

Applicant : F. ILLI MARZOLI & C. S.P.A., OF PALAZZOLO SULL'OGGIO (BRESCIA), ITALY.

Inventors : ANGELO MARZOLI.

Application No. 140/Del/78 filed February 21, 1978.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

14 Claims.

A rotary ring for spinning and twisting frames of the ring class, comprising an annular stator body fastened to the bench or spindle-carrying carriage of the frame and an annular rotor body concentrically connected for rotation to the stator body, characterized by a rider having the shape of a small ring or the like hooked to the rotor body and exhibiting a portion intended for sliding on a surface of the stator body and a portion spaced apart from said sliding portion and so shaped as to permit the pass to the yarn being processed.

Comp. Specn. 16 Pages.

Drg. 5 Sheets.

CLASS 40B & F.

147546.

Int. Cl.-B01j 11/08, 11/10.

IMPROVEMENTS IN A PROCESS FOR REACTIVATING SILVER CATALYSTS.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., CAREL VAN BYLANDTSLAAN 30, THE HAGUE, THE NETHERLANDS.

Inventor : IAN ERNEST MAXWELL.

Application No. 328/Del/77 filed October 19, 1977.

Convention date October 21, 1976/(43712/76). U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

14 Claims.

A process for reactivating silver catalysts which have been used in the preparation of ethylene oxide by reacting ethylene with molecular oxygen which comprises depositing from 0.00004 to 0.08 gram equivalent weights per kilogram (based on the entire catalyst) of ions of one or more of the alkali metals sodium, potassium, rubidium or cesium on the used catalyst by impregnating it with an impregnating solution of one or more compounds of the said alkali metal (s) in a solvent and subsequently removing the solvent from the impregnated catalyst, characterised in that before depositing the alkali metal on the used catalyst it is washed with water or a mixture of water with a water-miscible organic solvent having a boiling point below 100°C whereby washing liquid is drained from the catalyst.

Comp. Specn. 14 Pages.

Drg. Nil.

CLASS 32F_a.

147547.

Int. Cl.-C07d 1/14.

IMPROVEMENTS IN THE PROCESS FOR THE PRODUCTION OF ETHYLENE OXIDE.

Applicant : SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., CAROL VAN BYLANDTLAAN 30, THE HAGUE, THE NETHERLANDS.

Inventor : IAN FRNEST MAXWELL.

Application No. 92/Del/79 filed February 8, 1979.

Convention date October 21, 1976/(43712/76) U.K.

Division of Application No. 328/Del/77 filed October 19, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

15 Claims. No drawings.

A process for the production of ethylene oxide wherein ethylene is reacted in the vapourphase with a molecular oxygen-containing gas at a temperature between 150 and 300°C in the presence of a silver catalyst which has been obtained by reactivating a silver catalyst which has been used in the preparation of ethylene oxide by reacting ethylene with molecular oxygen, by depositing from 0.00004 to 0.08 gram equivalent weights per kilogram (based on the

entire catalyst) of ions of one or more of the alkali metals sodium, potassium, rubidium or cesium on the used catalyst by impregnating it with an impregnating solution of one or more compounds of the said alkali metal(s) in a solvent, and subsequently removing the solvent from the impregnated catalyst characterised in that before depositing the alkali metal on the used catalyst it is washed with water or a mixture of water with a water-miscible organic solvent having a boiling point below 100°C whereby washing liquid is drained from the catalyst.

Comp. Specn. 15 Pages.

Drg. Nil.

PRINTED SPECIFICATION PUBLISHED

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COMMERCIAL WORKING OF PATENTED INVENTIONS

The following patents in the field of Chemical Engineering Industry : re not being worked in India, is admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970 in respect of Calendar year 1978, generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a Licence for the purpose

1	2	3	4	5
1.	136792	30-5-1973	MONSANTO COMPANY, 800 North Lindbergh, Boulevard, St Louis, Missouri 63166, U.S.A.	Production of N-Phosphonomethyl glycine.
2.	136806	22-8-1972	C. S. I. R., Rafi Marg, New Delhi, India.	Oxalic acid from sugarcane molasses.
3.	136811	15-6-1973	JOHNSON JOHNSON 501 George Street, New Brunswick, New Jersey, U.S.A.	Preparation of Acrylate adhesive composition.
4.	136819	21-10-1971	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. Carol Bylandtlaan 30, The Hague, The Netherlands.	Process for effecting direct oxidation of ethylene.
5.	136834	6-6-1973	C.S.I.R., New Delhi, India.	Production of Red-oxide of iron and sodium sulphate.
6.	136843	26-4-1972	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., The Hague, The Netherlands.	Recovery of ethylene oxide.
7.	136844	15-9-1972	INTERNATIONAL NICKEL LTD., Thames House, Millbank, London, SW1P 4QE, England.	Preparation of Nickel chromium steel casting.
8.	136867	16-11-1972	IMPERIAL CHEMICAL INDUSTRIES LTD., Imperial Chemical House, Millbank, London SW1, England.	Method of preparing surface moderated granular propellant.
9.	136886	12-12-1972	HINDUSTAN LEVER LTD. Hindustan Lever House, 165/166, Backbay Reclamation, Bombay-20, India.	Improving the bacteriological quality of protease.

1	2	3	4	5
10.	136923	21-8-1972	USS ENGINEERS & CONSULTANTS INC. 600 Grant Street, Pittsburgh, Pennsylvania U.S.A.	Continuous casting of partially solidified strand of metal.
11.	136930	5-3-1973	METALLGESELLSCHAFT, 16 Frankfurt Am, Reuterweg 14, West Germany.	Producing spongy iron.
12.	136933	15-11-1972	CARBORUNDUM UNIVERSAL LTD. 11/12 North Beach Road, Madras 600 001, T. N., India.	Abrasive discs.
13.	136985	16-7-1973	C.S.I.R. Rafi Marg, New Delhi, India.	Upgrading powdery ironoxide (Blue dust).
14.	137023	15-12-1972	HINDUSTAN LEVER LTD., Bombay, India.	Preparation of supported Nickel catalyst.
15.	137049	29-11-1972	SOLVAY & CIE, 33 rue du Prince Albert, B-1050 Brussels, Belgium.	Polymerization of olefins.
16.	137058	7-5-1973	C.S.I.R., New Delhi, India.	Improvements in fabrication of Silver chloride foil electrodes.
17.	137060	30-1-1972	IMPERIAL CHEMICAL INDUSTRIES LTD., Millbank, London, England.	Preparation of reduced water permeability and a detonating fuse-cord containing the same.
18.	137061	10-11-1972	INSTITUTE FRANCAIS DU PETROLE, DES CARBURANTS ET LUBRIFIANTS, let 4 avenue de Bois-Preau, Rueil Malmaison, France.	Dehydrogenating saturated paraffinic or naphthenic hydrocarbons.
19.	137079	7-11-1972	FIERRO ESPONJA SA. Avenida, Los Angeles, at Oriente Monterrey, N-L, R. Mexico, U.S.A.	Reduction of particulate metal ore.
20.	137101	25-6-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., The Hague, The Netherlands.	Partial combustion of carbonaceous fuels. to produce substantially soot free gases.
21.	137113	21-8-1972	LUBRIZOL CORPN, Cleveland, Ohio, U.S.A.	Preparation of oil soluble basic barium containing compositions.
22.	137118	18-1-1973	HERCULES INC. 910 Market Street, Wilmington city, State of Delaware, U.S.A.	Preparing aromatic amine compound.
23.	137136	12-9-1972	WESTINGHOUSE ELECTRIC CORPN, Pittsburgh Pennsylvania, U.S.A.	Preparation of cured resinous compositions.
24.	137185	19-10-1972	GLAVERBEL MACANIVER, 166 Chaussée de la Hulpe, Watermaelboits fort, Belgium.	Treating body of vitrous material.
25.	137197	20-6-1972	IMPERIAL CHEMICAL INDUSTRIES LTD., Millbank, London, England.	Manufacture of Bipyridyls.
26.	137198	27-9-1972	PHILIPS PETROLEUM CO., Bartlesville, Oklahoma, U.S.A.	Preparation of metal salt of aromatic carboxylic acid.
27.	137199	12-6-1973	RECHERCHES PHARMACEUTIQUES ET SCIENTIFIQUES, 6, rue Lincoln, Paris (8eme), France.	Preparation of S-substituted cysteines and cystein esters.
28.	137245	16-7-1973	C.S.I.R., Rafi Marg, New Delhi, India.	Improvements in electrolytic preparation of Ferricyanides from Ferrocyanides.
29.	137274	28-4-1973	VIKRAM SARABHAI SPACE CENTRE, ISRO Post, Trivandrum 695022, Kerala State, India.	Preparation of New Phenolic resins.
30.	137275	17-7-1972	HINDUSTAN LEVER LTD, Bombay-20, India.	Skin Moisturiser based on glutanic acid.
31.	137279	29-8-1972	CIBA OF INDIA LTD, Aarey Road, Goregaon (E) Bombay-62, M.S. India.	Preparation of dyestuff.
32.	137308	1-8-1972	CIBA—GEIGY AG, 141, Basle, Switzerland.	Manufacture of azo dyestuffs.
33.	137344	21-6-1973	C.S.I.R. New Delhi, India.	Improvements in production of metal articles with coloured electro organic coatings.

1	2	3	4	5
34.	137349	26-7-1973	THYSSEN NIEDERRHEIN AG. 42, Oberbaussen Essenerstrasse 66m, FRG.	Installation for the reduction of iron ores by direct reduction method.
35.	137350	29-1-1974	AGENCE NATIONALE DE VALORISATION DE LA RECHERCHE, 13 rue, Madeleine, Michels, NEUILLY—	Production of Antigen fractions.
36.	137360	12-7-1972	SURSEINE, Hauss-di Seine France HOECHST AG. 6230 Frankfurt/Main 80FRG.	Evaporation inhibiting additive for concentrated dispersions of plant protection products.
37.	137364	4-10-1972	THE LUBRIZOL CORPN. Euclid Station, Cleveland Ohio, U.S.A.	An oil-soluble composition.
38.	137366	21-6-1973	C.S.I.R. Rafi Marg, New Delhi, India.	Electrodeposition of high speed bright hard silver.
39.	137388	12-10-1973	CIBA OF INDIA LTD., Aarey Road, Goregaon (E), Bombay-62, India.	Dyeing and printing of Textile materials.
40.	137425	30-2-1973	C.S.I.R. New Delhi, Bombay, India.	Manufacture of asbestos cement.
41.	137446	9-10-1972	FOSTER WHEELER CORPN, 110 South Orange, Avenue, Livingston, State of New Jersey, U.S.A.	Fluidized bed reactor.
42.	137495	5-7-1972	C.S.I.R., Rafi Marg, New Delhi, India.	Manufacture of Xanthotoxin from Ammi majus seeds.
43.	137507	20-3- 974	HINDUSTAN LEVER LT. Backbay Reclamation, Bombay, India.	Dehydroxylation of castor oil.
44.	137528	26-8-1974	AMERICAN HOME PRODUCTS CORPN 685, Third Avenue, New York, N.Y. 10017, U.S.A.	Preparation of crystalline sodium 6-(1-amino-cyclohexane-carboxamido)-penicillanate.
45.	137549	5-11-1973	CIBA OF INDIA LTD. Aarey Road, Goregaon (E), Bombay 62, Maharashtra State, India.	Dyeing and printing of textile material of synthetic organic fibre.
46.	137592	19-9-1972	HOECHST AG. Frankfurt/Main, FRG.	Preparation of pigment composition for dyeing of polyacrylonitrile.
47.	137618	10-10-1973	C.S.I.R., New Delhi, India.	Preparation of resin binder for use in electrophotographic zinc oxide binder.
48.	137623	26-6-1973	Do.	Process for extraction and separation of strychnine and brucine from strychnos nux vomica.
49.	137630	16-7-1973	Do.	Reduction of phosphorous content from high phosphorous manganese ores by selective leaching.
50.	137638	15-12-1972	HINDUSTAN LEVER LTD. 165/166, Backbay Reclamation, Bombay, India.	Inhibiting corrosive action on Aluminium tooth paste tube.
51.	137738	18-8-1972	Do.	Preparation of cycloaliphatic monoterpenic Alcohol.
52.	137839	1-12-1973	C.S.I.R. Rafi Marg, New Delhi, India.	Process for etching of Aluminium and its alloys for direct plating of metal.
53.	137840	7-6-1973	THE CARBORUNDUM COMPANY, 1625 Buffalo Avenue, Niagara, Falls, Niagara Country, N.Y., U.S.A.	Removing virus particles from fluids.
54.	137849	31-7-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. The Hague, The Netherlands.	Manufacture of gases containing hydrogen and carbon monoxide.
55.	137872	30-11-1972	HOECHST AG 6230, Frankfurt/Main 80, FRG.	Preparation of Novel soluble diazo dye-stuffs.
56.	137892	4-12-1972	HINDUSTAN LEVER LTD. Bombay, M.S. India.	Hair control preparation.
57.	137895	22-1-1973	UNION CARBIDE CORPN., 270, Park Avenue, New York, N.Y. 10017, U.S.A.	Selective absorption process air separation.

1	2	3	4	5
58.	137904	7-6-1973	THE CARBORANDUM COMPANY, Water purification means. Niagarafalls, N.Y. U.S.A.	
59.	137976	14-10-1971	MEAD CORPORATION, Dayton, Ohio, U.S.A.	Preparation of wet proof catalyst composition.
60.	137979	8-12-1972	HINDUSTAN LEVER LTD., Bombay, M.S. India.	Preparing stabilized mustard seeds flavour ingredient.
61.	138015	20-11-1973	C.S.I.R. Rafi Marg, New Delhi, India.	Preparation of adherent electrodeposits on metal from aqueous systems of alkyl-amino-epoxy resins.
62.	138020	16-12-1972	Do.	Preparation of coated Ferrous such as coated mild steel sheets/strips with compositions based on vinyl chlorides.
63.	138027	10-8-1973	DR. ING CHRISTIAN AUGUST MEIER 201 Lindhurst Uber, Hamburg—Hamburg, U.S.A.	Continuous treatment of web with hot liquids.
64.	138032	18-7-1973	NAARDEN INTERNATIONAL. N. V. Huizerstraatweg 28, Naarden, The Netherlands.	Preparation of Cis-quiterpene ketones.
65.	138050	10-5-1973	NL INDUSTRIES INC., 1221 Avenue of America New York, New York, 10020, U.S.A.	Making sintered unitary ceramic bodies.
66.	138109	9-11-1972	HOECHST AG. Frankfurt/Main, FRG.	Preparation of oil soluble dyestuff mixtures.
67.	138128	16-10-1973	HINDUSTAN LEVER LTD. Bombay, India.	Preparation of super-fatted soap bars.
68.	138130	7-10-1972	ELKEM SPINGERVERKET A/s, Middlethunsgate 27, Oslo 3, Norway.	Smelting process.
69.	138132	31-10-1972	CELANESE CORPORATION, 522 Fifth Avenue, New York, State of N.Y., U.S.A.	Preparation of Moulding resin composition.
70.	138156	30-8-1973	STICHTING BEDRIJVEN VAN HET NEDERLANDS INSTITUUT VOOR ZUIVELONDERZOEK, Kernhemsweg 2, Ede, The Netherlands.	Preparation of fat emulsion.
71.	138167	1-12-1972	UNIVERSAL OIL PRODUCTS INC 10 VOP Plaza, Algonquinkmt. Prospect Rod, Des Plaines, Illinois, U.S.A.	Reforming of hydrocarbon.
72.	138183	19-10-1972	ALUMINIUM COMPANY OF AMERICA, ALOCA Building Pittsburgh, Pennsylvania, U.S.A.	Continuous production of Aluminium.
73.	138185	24-11-1973	MONSANTO COMPANY, St. Louis, Missouri, U.S.A.	Preparation of N-Organic-N-Phosphonic-methyl glycine-N-oxides and their salts.
74.	138194	5-5-1973	HOECHST AG., Frankfurt/Main, FRG.	Preparation of pesticidal composition.
75.	138202	25-1-1973	DOW BADISCHE CANADA LTD., 123, Eglinton Ave, East Toronto, Ontario, Canada K1Z 8N8.	Preparation of fibre-forming polyamide.
76.	138204	18-3-1974	PFIZER INC. 235 East 442nd Street, New York, State of New York, U.S.A.	Preparation of Methyl-3-(2-quinoxalinylmethylene) carbazate NN-dioxides.
77.	138230	10-4-1973	HAYASHIBARA BIOCHEMICAL LABORATORIES INC. 2-3-1-Chome, Shimoishii, Okayama-shi Japan.	Stabilizing and reducing the nutritional value of a food material.
78.	138237	4-9-1972	ALUMINIUM COMPANY OF AMERICA, Aloc Bldg. Pittsburgh, Pennsylvania U.S.A.	Aluminium chloride.
79.	138260	1-3-1973	DUNLOP LIMITED, Dunlop House, Ryder Street, St. James, London SW1, England.	Making elongated articles of polyolefin material.
80.	138312	26-6-1974	C.S.I.R. Rafi Marg, New Delhi, India.	Preparation of Electrolytic chromium powder.

1	2	3	4	5
81.	138320	2-3-1974	PFIZER INC. 235 East 442nd Street, New York, N.Y. U.S.A.	Preparation of sulphonylurea derivatives.
82.	138330	11-6-1973	MITSUBISHI GAS CHEMICAL CO. LTD. 5-2, Marunouchi, 2-chome, chi-yoda-ku, Tokyo, Japan.	Production of unhydrous sodium hydro-sulphite using sodium formate, formic acid or formic acid esters.
83.	138333	12-10-1972	HORIZONS RESEARCH INCORPORATED, 23800 Merchantile Road, Cleveland, Ohio, U.S.A.	Preparation of phosphazene polymers.
84.	138365	8-9-1972	ALUMINIUM COMPANY OF AMERICA., Pennsylvania, U.S.A.	Recovery of aluminium chloride from a gas containing gaseous aluminium chloride.
85.	138391	23-11-1972	STEETLEY (MFG) LIMITED, Gateford Hill Workshop, Nottinghamshire, England.	Making magnesias.
86.	138419	15-10-1973	PFIZER INC. New York, N.Y. U.S.A.	Preparation of Trisubstituted pyridine derivatives.
87.	138422	16-4-1973	Do.	Preparation of prostaglandins of 'one' series.
88.	138424	13-7-1973	AMERICAN HOME PRODUCTS CORPN., 685-third Avenue, New York U.S.A.	Preparation of azaindole fused heterocyclic compounds.
89.	138425	13-7-1973	Do.	Do.
90.	138426	13-7-1973	Do.	Do.
91.	138427	13-7-1973	Do.	Do.
92.	138428	13-7-1973	Do.	Do.
93.	138449	9-1-1973	UNILEVER LTD, Unilever House, Blackfriars, London E.C. 4, England.	Preparation of Black tea from green or unfermented tea.
94.	138477	28-9-1973	PFIZER INC. New York, N.Y., U.S.A.	Preparation of diotectic composition.
95.	138487	26-6-1974	THE REGENT OF UNIVERSITY OF CALIFORNIA 521, University Hall, 2200, University Avenue, 94720, U.S.A.	Preparation of N-amino sulphonylated derivative of carbolfuran.
96.	138491	12-9-1973	C.S.I.R. Rafi Marg, New Delhi, India.	Synthesis of 4—substituted amino-methyl-3-dihydro-1-benzoxepin-(2H) 5-ores.
97.	138507	6-11-1972	AMERICAN HOME PRODUCTS CORPORATION, 685, Third Avenue, New York, U.S.A.	Preparation of benzo-bicycloalkane compounds.
98.	138524	19-2-1975	KNOLL AG. Ludwigshafen on Rhein FRG.	Preparation of Novel salt of N—phenyl-N-benzyl-4-amino-1 methyl—piperidine.
99.	138549	22-1-1973	HINDUSTAN LEVER LTD, 165/166, Backbay Reclamation, Bombay, India.	Detergent bars.
100.	138559	2-11-1972	HOECHST AG., Frankfurt/Main, FRG.	Preparation of monoazo reactive dyestuffs.
101.	138566	22-9-1972	PHILLIPS PETROLEUM CO. Bantleville, Oklanoma, U.S.A.	Production of Terephthalic acid.
102.	138570	23-5-1973	IIINDUSTAN LEVER LTD., Bombay, India.	Hair spray composition.
103.	138576	8-2-1974	CHIEF CONTROLLER R & D, Ministry of Defence, Government of India, New Delhi, India.	Process of preparing novel composition for use in sealing seams of wooden structures.
104.	138602	9-3-1973	JOHN WYETH and BROTHER LIMITED, Hunter combe Lane South, Taplow, Maiden head Berkshire, land.Eng.	Preparation of 4-amino quinoline derivatives.
105.	138618	15-1-1973	HINDUSTANT LEVER LTD., Bombay, India.	Antiperspirant composition.
106.	138633	18-12-1972	HOECHST AG., Frankfurt/Main, FRG.	Preparation of new water soluble reactive dyestuffs.
107.	138641	7-7-1973	AGENCE NATIONALE DE VALORISATION DE LA RECHERCH 13, rue Madeleine Michelis Neuilly Sur Seine, France.	Obtaining an immunological product containing antibiotics effective to control intestinal injections.
108.	138662	25-1-1974	PFIZER INC. New York, N.Y. U.S.A.	Production of 6-deoxytetracyclines.
109.	138665	20-12-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V., Carel Bylandtlaan 30, The Hague, The Netherlands.	Production of gases by incomplete combustion of hydrocarbons.

1	2	3	4	5
110.	138686	25-5-1973	SOLVAY & CIE, 33 rue de Prince-Albert B-1050 Brussels, Belgium.	Polymerization of olefins.
111.	138689	2-6-1973	OSTERREICHISCH-AMERIKANISCHE MAGNESIT AG. Badenthein, Carinthia, Austria.	Production of sintered magnesia.
112.	138699	6-3-1973	AMERICAN HOME PRODUCTS CORPORATION, 685 Thrd Avenue, New York, U.S.A.	Preparation of novel phosphorylated penicillins.
113.	138705	28-9-1973	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., The Hague, The Netherlands.	Production and carburetting gas by partial combustion.
114.	138739	30-5-1973	PFIZER INC. 235 East 442nd Street, New York, U.S.A.	Preparation of oxyprostaglandins.
115.	138740	25-3-1974	Do.	Production of 6-deoxytetracyclines.
116.	138746	12-2-1973	ONODA CEMENT CO. LTD., 6276, Oaza Onoda, Onoda-shi, Yamaguchi-Ken, Japan.	Apparatus for heating and calcining of powder and/or pulverized materials.
117.	138752	8-8-1973	SHELL INTERNATIONAL RESEARCH MAATSCHAPPIJ B. V. The Hague, The Netherlands.	Thermal cracking of hydrocarbon mixtures.
118.	138759	3-5-1973	CIBA OF INDIA LTD., Goregaon (E) Bombay, India.	Manufacturing condensed pyroole mercapto compounds.
119.	138789	6-7-1973	PFIZER INC. New York, U.S.A.	Preparation of 15-substituted- ω -pentanor prostaglandins.
120.	138801	4-3-1974	SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B. V. The Hague, The Netherlands.	Process for combustng soot and other combustible constituents of an aqueous soot slurry.
121.	138817	23-7-1973	PFIZER INC. New York, U.S.A.	Preparation of 6-(L-amidino indoyl-amino-alkancoyls-amino)-aracyl amino)-penicillinic acid.
122.	138826	16-11-1973	HOECHST AG., Frankfurt/Main, FRG.	Manufacturing of polyolefins waxes.
123.	138823	11-6-1973	MONSANTO COMPANY, St. Louis, Missouri, U.S.A.	Preparation of 1.1.2.3. Tetrachloropropene from 1.2.3. trichloropropene.
124.	138853	30-4-1974	SADAYOSHI WATANABE, 1247-25, Miyanomori chiro-ku, Sapporo-shi, Hokkaido, Japan.	Producing paper making pulps from grass.
125.	138855	31-7-1973	SOCIETE NATIONALE DES POURRES ET EXPLOSIFS, 12, Quai Henry IV 75181 Paris Cedex 04 France.	Production of particulate plasticised nitrocellulose.
126.	138862	12-12-1972	HOECHST AG. Frankfurt/Main, FRG.	Preparing New Water soluble reactive azo dyestuff.
127.	138883	12-12-1972	Do.	Do.
128.	138884	12-12-1972	Do.	Do.
129.	138885	12-12-1972	Do.	Do.
130.	138889	1-5-1973	Do.	Preparation of water soluble azo compounds.
131.	138893	25-6-1973	DEUTSCHE TEXACO AG. Mittelweg 180, 2000 Hamburg 13, West Germany.	Continuous production of C ₂ —C ₅ alcohols.
132.	138895	11-7-1973	SUMITOMO CHEMICAL CO. LTD., 15, Kitahama 5-chome, Higashi-Ku, Osakashi, Osaka, Japan.	Preparation of substituted acetate compounds.

**PATENTS DEEMED TO BE ENDORSED WITH
THE WORDS "LICENCES OF RIGHT"**

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the patents.

<i>No.</i>	<i>Title of the invention</i>
138557 (31-8-73)	Process for the manufacture of stable solution of methylene bithiocyanate useful as herbicidal compound.
138577 (15-11-72)	Process for chromothermic of chromite.
138817 (23-7-73)	A process for preparing 6-[α -amidins and imidoylamins alkoxylamins - aracylamins] penicillanic acids.
138835 (11-06-73)	Preparation of 1, 1, 2, 3 tetra chloropropene from 1, 2, 3- trichloro propane.
138850 (19-10-73)	Process for the production of new derivative of 3-aminobenzo -1, 2, 4-triazine -1, 4-di-N-oxide.
138858 (11-4-75)	A process for the preparation of substituted oxirane compounds.
138862 (12-12-72)	Process for the preparation of new water soluble reactive dyestuff.
138883 (12-12-72)	Process for the preparation of novel water soluble reactive dyestuff.
138884 (12-12-72)	Process for the preparation of new water soluble reactive dyestuff.
138885 (12-12-72)	Process for the preparation of novel water soluble reactive dyestuff.
138900 (27-04-73)	Process for aromatic carboxylic acids.
138940 (18-7-74)	A process for the manufacture of prosta-noic acid derivative.
138942 (21-3-73)	A process for carrying out an enzyme catalysed conversion of penicillins.
138949 (18-4-75)	A process for preparing new triazole compounds.
138952 (3-5-73)	A process for the manufacture of substituted chloroacetanitides.
138955 (25-3-74)	Process for stabilising dispersion of 2-alkyl-4, 6-dinitro phenol ester.
138958 (21-2-73)	A method of producing 3-hydroxyindone compounds.
138964 (30-10-73)	Process for producing fructose or a syreep containing glucose and fructose.
138966 (31-5-73)	Process for preparing N-substituted prostaglandin carboxamides.
139110 (22-5-73)	A process for the preparation of benzimidazole derivatives.

RENEWAL FEES PAID

98241 98300 98448 98449 99053 99385 99550 99988 100842
1041108 104120 104140 104216 104622 104739 106483 106773
109516 109526 109615 109783 109922 109963 109964 109979
110116 110362 110536 111239 114231 114728 114730 114747
114790 114947 115075 115147 115227 115300 115623 116460
120007120052 120054 120158 120165 120216 120326 120328
120360 120369 120509 120924 121490 122637 124663 125477
125708 125713 125820 125843 125862 125864 125871 125872
125898 125928 125988 126012 126109 126202 130367 130371
130373 130392 130416 130582 130613 130616 130650 130651

130670 130671 130720 130799 130829 131120 132288 134792
134800 134806 134840 134853 134855 134864 134871 134910
134984 135013 135049 135062 135085 135108 135137 135138
135181 135182 135232 135656 135882 135947 136712 136758
137187 137219 138190 138351 138368 138628 138809 139018
139100 139237 139245 139269 139272 139361 139559 139576
139610 139693 139723 139771 139805 139942 140021 140042
140246 140319 140440 140518 140666 140730 140819 140955
141062 141130 141206 141242 141397 141462 141641 141853
142065 142124 142292 142355 142658 142752 142753 142758
143091 143179 143197 143275 143291 143418 143594 143664
143856 143922 143976 143978 144026 144099 144187 144267
144445 144513 144541 144565 144573 144623 144693 144756
144935 145157 145354 145377 145413 145422 145529 145552
145633 145890 145969 145970 145972 145984 145987 146002
146011 146044 146052 146060 146071 146157 146167 146171
146185 146218 146285 146354

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of granted to Pechincy compagnie De, Produits chimiques Et Electrometallurgiques" for an invention relating to "process for the manufacture of carbon products."

The patent ceased on the 22nd November, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 24th November, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th May 1980

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 120943 granted to Phillip Barnard Zollett, for an invention relating to "Pressury".

The Patent ceased on the 16th April, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd December, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th May 1980.

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 123868 granted to Solvay & Cie, for an invention relating to "process and apparatus for the production of fabricated structures."

The patent ceased on the 4th November, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 24th March, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th May 1980.

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 133578 granted to International Computers Limited, for an invention relating to "improvements in or relating to card gauge."

The patent ceased on the 11th November, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 1st December, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th May 1980.

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(5)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 137298 granted to SAF-GARD SYSTEMS INC. for an invention relating to "a valve and closure device for use in conjunction with a pressurized fluid circuit".

The patent ceased on the 27th October, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 24th November, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th May 1980.

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(6)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 137427 granted to CEBAL for an invention relating to "a method and apparatus for manufacturing flexible metal tubes".

The patent ceased on the 23rd November, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section, 2 dated the 24th November, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th May 1980.

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(7)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 138390 granted to Aluminium Pechiney for an invention relating to "a process for the continuous acid treatment of cretaceous clays and schists".

The patent ceased on the 23rd November, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 24th November, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th May 1980.

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(8)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 139988 granted to Societe Francaise D' Electrometallurgie for an invention relating to "improved process for thermal production of magnesium".

The Patent ceased on the 26th October, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 24th November, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th May 1980.

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(9)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 142766 granted to John Dargan Hollingsworth for an invention relating to "Carding apparatus".

The Patent ceased on the 16th November, 1978 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 22nd December, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th May 1980.

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which the bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(10)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 144009 granted to Asok Ranjan Das Gupta for an invention relating to "horizontal bed type beehive coke ovens".

The Patent ceased on the 18th July, 1979 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III, Section 2 dated the 1st December, 1979.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 on or before the 29th May 1980.

Under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(1)

Notice is hereby given that an application for restoration of Patent No. 92049 dated the 3rd February, 1964 made by Heemanshu Traders on the 27th January, 1979, and notified in the Gazette of India, Part III, Section 2 dated the 29th September 1979 has been allowed and the said patent restored.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in each entry is the date of registration of the design included in the entry.

- Class 1. No. 148636. York Scientific Industries, 1325 Fasil Road, Ajmeri Gate, Delhi, an Indian Partnership Concern. "a 5 keys Blood Cell Tester". July 16, 1979.
- Class 1. No. 148637. York Scientific Industries, 1325 Fasil Road, Ajmeri Gate, Delhi, an Indian Partnership Concern. "a 5 keys Blood Cell Tester". July 16, 1979.
- Class 3. No. 148257. N. R. Jasani, (a registered partnership firm) of Jayant Mahal, 'D' Road, Churchgate, Bombay-400020, State of Maharashtra, India. "a Mirror Frame". April 6, 1979.
- Class 3. No. 148258. N. R. Jasani (a registered partnership firm) of Jayant Mahal, 'D' Road, Churchgate, Bombay-400020, State of Maharashtra, India. "a Flower Pot Holder". April 6, 1979.
- Class 3. No. 148259. N. R. Jasani (a registered partnership firm) of Jayant Mahal, 'D' Road, Churchgate, Bombay-400020, State of Maharashtra, India. "a Cot". April 6, 1979.
- Class 3. No. 148260. N. R. Jasani (a registered partnership firm) of Jayant Mahal, 'D' Road, Churchgate, Bombay-400020, State of Maharashtra, India. "a Trolley". April 6, 1979.
- Class 3. No. 148261. N. R. Jasani (a registered partnership firm) of Jayant Mahal, 'D' Road, Churchgate, Bombay-400020, State of Maharashtra, India. "a Cupboard". April 6, 1979.
- Class 3. No. 148262. N. R. Jasani (a registered partnership firm) of Jayant Mahal, 'D' Road, Churchgate, Bombay-400020, State of Maharashtra, India. "a Cupboard". April 6, 1979.

Name Index of applicants for Patents for the month of December, 1979 (Nos. 1261/Cal/79 to 1362/Cal/79, 337/Bom/79 to 363/Bom/79 215/Mas/79 to 232/Mas/79 and 864/Del/79 to 953/Del/79).

Name & Appln. No.

—A—

- A/S N. Foss Electric.—1271/Cal/79.
- Air Preheater Company, Inc., The.—1286/Cal/79.
- Ajay Metachem Pvt. Ltd.—347/Bom/79.
- Alikhan, R.—1354/Cal/79.
- Ananthakrishna, A.—221/Mas/79.
- Aneja, R. P.—1344/Cal/79.
- Arora, K. K.—908/Del/79.

—B—

- BASF Aktiengesellschaft.—1262/Cal/79, 1339/Cal/79.
- B. F. Goodrich Company, The.—1290/Cal/79.

Name & Appln. No.

- Babcock & Wilcox Company, The.—1295/Cal/79.
- Balsari, S.—343/Bom/79, 343/Bom/79.
- Balsari, S. N.—343/Bom/79, 344/Bom/79.
- Banerjee, G. C.—1291/Cal/79.
- Buyer Aktiengesellschaft.—910/Del/79, 911/Del/79.
- Beeston Company Limited.—1265/Cal/79.
- Bendix Corporation, The.—904/Del/79.
- Beton—ES Vasbetonipari Muvek.—1300/Cal/79.
- Bharat Heavy Electricals Ltd.—865/Del/79.
- Bieffe S.p.A.—1319/Cal/79.
- Biogen N. V.—1328/Cal/79.
- Bombay Textile Research Association, The.—342/Bom/79, 345/Bom/79.
- Burneister & Wain A/S.—1281/Cal/79, 1282/Cal/79, 1362/Cal/79.

—C—

- CPC International Inc.—1302/Cal/79.
- Camphor & Allied Products Limited.—338/Bom/79.
- Ceskoslovenska Akademie Ved.—1323/Cal/79.
- Chakrapani, G. (Dr.).—951/Del/79.
- Chaudhary, M. R.—944/Del/79.
- Chemische Werke Huls Aktiengesellschaft.—1361/Cal/79.
- Chourishi, N. K.—219/Mas/79.
- Colburn, W. A.—1268/Cal/79.
- Combusion Engineering Inc.—1273/Cal/79.
- Continental Group, Inc., The.—925/Del/79, 925/Del/79, 927/Del/79, 928/Del/79.
- Continental Oil Company.—1327/Cal/79.
- Council of Scientific and Industrial Research.—866/Del/79, 869/Del/79, 870/Del/79, 871/Del/79, 880/Del/79, 881/Del/79, 882/Del/79, 916/Del/79, 917/Del/79, 918/Del/79, 919/Del/79, 920/Del/79, 921/Del/79, 922/Del/79, 923/Del/79, 942/Del/79, 943/Del/79, 948/Del/79, 949/Del/79, 950/Del/79, 953/Del/79.
- Cummins Engine Company, Inc.—1311/Cal/79, 1355/Cal/79, 1356/Cal/79, 1357/Cal/79.

—D—

- Dr. C. Otto & COMP. GMBH.—1275/Cal/79.
- Danin, C.—952/Del/79.
- Dayal, R.—929/Del/79, 930/Del/79, 931/Del/79.
- Dhar, S. K. (Prof.).—1263/Cal/79.

—E—

- E. I. DU Pont DE Nemours and Company.—1294/Cal/79.
- Exxon Research and Engineering Company.—878/Del/79, 912/Del/79.

—F—

- F. L. Smidth & Co. A/S.—1360/Cal/79.
- Fanolite General Industries.—1287/Cal/79.
- Fried Drupp Gesellschaft Mit Beschränkter Haftung.—1338/Cal/79.

—G—

- General Electric Company.—1305/Cal/79, 1349/Cal/79.
- General Electric Company Limited, The.—346/Bom/79.
- Genoud, E.—889/Del/79.
- Georg Fischer Aktiengesellschaft.—1332/Cal/79.
- Godhole, N. M.—359/Bom/79.
- Gulf Oil Corporation.—1309/Cal/79, 1310/Cal/79.

Name & Appln. No.	
—H—	
Hardigg Industries, Inc.—941/Del/79.	
Hoechst Aktiengesellschaft.—1306/Cal/79.	
Hoechst Pharmaceuticals Limited.—357/Bom/79, 358/Bom/79.	
Huge Sachs Elektronik KG.—1317/Cal/79.	
—I—	
IDL Chemicals Ltd.—217/Mas/79.	
Imperial Chemical Industries Limited.—914/Del/79, 937/Del/79, 938/Del/79, 939/Del/79, 945/Del/79.	
Indian Oxygen Limited.—1276/Cal/79, 1277/Cal/79.	
Industrie Pirelli Spa.—890/Del/79, 902/Del/79.	
Intercane Systems, Inc.—1285/Cal/79.	
IRECO Chemicals.—1267/Cal/79.	
—J—	
Jain Road Transport (P) Ltd.—230/Mas/79, 231/Mas/79.	
Jain, B.—339/Bom/79.	
Jain, R. K.—339/Bom/79.	
Joshi, A. V.—337/Bom/79.	
Joshi, N. S.—361/Bom/79.	
—K—	
Kant, C. P.—1264/Cal/79.	
Karykion, Inc.—1331/Cal/79.	
Kirloskar Engineering Pvt. Limited.—354/Bom/79.	
Kling, A.—1269/Cal/79.	
Knossos, Inc.—934/Del/79.	
Kulkarni, S. J.—350/Bom/79.	
Kumar, A.—909/Del/79.	
Kumar, V.—909/Del/79.	
—L—	
Laitram Corporation, The.—877/Del/79.	
Leelamma, P. G.—232/Mas/79.	
Lucas Industries Limited.—1336/Cal/79, 222/Mas/79, 223/Mas/79, 224/Mas/79, 225/Mas/79, 226/Mas/79, 227/Mas/79.	
—M—	
M & T Chemicals Inc.—888/Del/79.	
Magyar Aluminiumipari Troszt.—1283/Cal/79.	
Mahadevwas, D. H. I.—352/Bom/79.	
Majumdar, N. N.—341/Bom/79.	
Malshe, A. G. (Dr.).—337/Bom/79.	
Marathe, N. V.—362/Bom/79.	
Marraccini, M.—1272/Cal/79.	
Marshall richards barcro Ltd.—876/Del/79.	
Maschinenfabrik Augsburg-Nurnberg Aktiengesellschaft.—1303/Cal/79.	
Maschinenfabrik Rietter A. G.—1270/Cal/79.	
Mathur, S. S.—900/Del/79, 901/Del/79.	
Mehta, G. R.—900/Del/79, 901/Del/79.	
Mehta, P. C.—1350/Cal/79.	
Merck Patent Gesellschaft mit beschränkter Haftung.—1318/Cal/79.	
Metafix.—864/Del/79.	
Meyer, O.—893/Del/79.	

Name & Appln. No.	
Meyer, R.—893/Del/79.	
Miles Laboratories, Inc.—884/Del/79, 915/Del/79.	
Moholkar, D. R.—348/Bom/79.	
Moholkar, P. R.—348/Bom/79.	
Monsanto Company.—1321/Cal/79, 1322/Cal/79.	
Mta Mezogazdasagi Kutato Intezet.—1342/Cal/79.	
—N—	
N. V. Philips' Gloeilampfabrieken.—1293/Cal/79.	
Nederlandse Organisatie Voor Teogepast-Natuurwetens-Chap-pelijk Onderzoek t.b.v. Nijverheid, Handel EN Verakeer.—1334/Cal/79.	
Nitrokemia Ipartelepek, Nehcvegyipari Kutato Intezet.—1342/Cal/79.	
—O—	
O & K Orenstein & koppel aktiengesellschaft.—885/Del/79.	
Olin Corporation.—867/Del/79.	
Orissa Cement Limited.—12307/Cal/79.	
Owens-Corning Fiberglass Fibeglas Corporation.—1340/Cal/79, 1341/Cal/79.	
**Office National D Etudes Et De Recherches Aeropatialles (O.N.E.R.A.).—1284/Cal/789.	
—P—	
P C U K Products chimiques uquine kuhlmann.—886/Del/79, 887/Del/79, 905/Del/79.	
Parkhe, V. D.—355/Bom/79, 356/Bom/79.	
Peel, J. L.—894/Del/79.	
Pittsburgh-Des moines steel company.—868/Del/79.	
Polysar Limited.—1345/Cal/79, 1346/Cal/79.	
Pont-A-Mousson S. A.—924/Del/79.	
Pugh, P. F.—1235/Cal/79.	
—R—	
Rajasekaran, S.—219/Mas/79.	
Ralph, R.—897/Del/79.	
Raman, R. K.—219/Mas/79.	
Ranade, A. B.—354/Bom/79.	
Richter Deutschland GMBH.—1274/Cal/79.	
Rohm GmbH.—913/Del/79.	
Ruhr-Stickstoff Aktiengesellschaft.—1361/Cal/79.	
—S—	
Safta S.p.A.—1319/Cal/79.	
Sagar, V. S. A.—216/Mas/79.	
Saint-Gobain Industries.—1316/Cal/79.	
Sanac Societe Per Azioni Refrattari Argille E Caolini.—1261/Cal/79.	
Sarabhai Research Centre.—363/Bom/79.	
Sarma, D. S.—229/Mas/79.	
Satake Engineering Co., Ltd.—1312/Cal/79.	
Savio & C. S.p.A.—1308/Cal/79.	
Schering Aktiengesellschaft.—940/Del/79.	
Schlumberger Overseas, S. A.—1320/Cal/79.	
Schubert & Salzer Maschinenfabrik Aktiengesellschaft.—1333/Cal/79.	
Science union et cie.—891/Del/79, 892/Del/79.	
Searle (India) Limited.—351/Bom/79.	

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Secretary of State for Defence in her Britannic Majesty's Government of the United Kingdom of Great Britain and Northern Ireland, The.—947/Del/79.
Shah, H. P.—360/Bom/79.
Sharma, D. S.—874/Del/79, 875/Del/79.
Sharma, G.—883/Del/79.
Sharma, M. S.—1278/Cal/79.
Shell Internationale Research Maatschappij B. V.—1326/Cal/79, 933/Del/79.
Siemens Aktiengesellschaft.—1313/Cal/79.
Singh, D.—900/Del/79, 901/Del/79.
Societa Italiana Telecomunicazioni Siemens S.p.A.—1289/Cal/79, 1301/Cal/79.
Societe Anonyme Dites.—Societe Nationale Industrielle Aero-spatiale.—1284/Cal/79.
Societe Chimique Des Charbonnages.—935/Del/79.
Societe De Paris Et Du Phone.—936/Del/79.
Societe Nationale Des Poudres Et Explosifs.—879/Del/79.
Southwire Company.—932/Del/79.
Spade Phototype Setting Industries Private Limited.—340/Bom/79.
Sport Australia (Export) Pty. Ltd.—946/Del/79.
Sridhara, B. N.—218/Mas/79.
Srinivasan, N. A.—349/Bom/79.
Stainco Enterprises Pvt. Ltd.—872/Del/79, 873/Del/79.
Stamicarbon B. V.—906/Del/79, 907/Del/79.
Standard Oil Company.—895/Del/79.
Stopinc Aktiengesellschaft.—1314/Cal/79, 1315/Cal/79.
Sumitomo Aluminium Smelting Company, Limited.—1324/Cal/79.
—T—
Task Power And Central Limited.—903/Del/79.
Thaikattil, J.—228/Mas/79.
Thermo Controls.—898/Del/79, 899/Del/79.
Timken Company, The.—1280/Cal/79.

<i>Name & Appln. No.</i>
Triplex Safety Glass Company Limited.—1292/Cal/79.
Tyagi, R. C.—900/Del/79, 901/Del/79.
—U—
USM Corporation.—896/Del/79.
Unilever Limited.—1348/Cal/79.
Union Carbide Corporation.—1347/Cal/79.
Union Carbide India Limited.—1351/Cal/79, 1352/Cal/79, 1353/Cal/79.
United Technologies Corporation.—1279/Cal/79.
University of Auckland.—1296/Cal/79.
Usha Automobile & Engineering Ltd.—1298/Cal/79, 1299/Cal/79.
—V—
Vaithilingam, G.—215/Mas/79.
Valice P.v.b.a.—1343/Cal/79.
Verghese, M.—220/Mas/79.
Vsecojuzny Nauchno-Isledovatel'sky I proektny Institut PO Oshistke Tekhnologicheskikh Gazov Stochnykh VO I Ispolzovaniju Vtorichnykh Energoresursov Predpriyatij Chernoi Metallurgii "Vnipichermetenergoochistka".—1335/Cal/79.
Voest-Alpine Aktiengesellschaft.—1337/Cal/79, 1358/Cal/79, 1359/Cal/79.
—W—
Waites, W. M.—894/Del/79.
Western States Machine Company, The.—1266/Cal/79.
Westinghouse Electric Corporation.—1288/Cal/79, 1297/Cal/79, 1329/Cal/79, 1330/Cal/79.
—X—
Xhonneux, G.M.J.—1304/Cal/79.

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